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9 April '98

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Michael McAteer
U.S.E.P.A, HSRW-6J
77 West Jackson Blvd.
Chicago, IL 60604-3590

**Re: Enviro-Chem Superfund Site
Monthly Construction Progress Report Number 4
March 1998**

This Monthly Progress Report has been prepared in accordance with Section XII of the Consent Decree entered September 10, 1991, Number 83419C, U.S.D.C. District of Indiana.

(1) Actions Taken Toward Achieving Compliance with Decree

- a. Versar hydrostatically tested Tank - T-2 (the XR-5 lined Tank) with 150,000 gallons of potable water. (100 % complete)
- b. Versar completed the following electrical activities: The power company activated the 480 volt service to the Process Building, installed and activated the explosion proof lighting system, installed conduit, wired and started-up the low profile stripper blower and six centrifugal water pumps, installed exterior Process Building lights and interior/exterior and ground fault receptacles. (80% complete)
- c. Versar completed the following mechanical activities: Received and set in-place two SVE vacuum pumps, knock-out tanks K-1 & K-2, ten centrifugal water treatment pumps, low profile air stripper, two 800 pound water polishing carbon units, two 13,000 pound air polishing units and associated interconnecting piping. (60% complete)
- d. The underground yard piping between the Process Building and the above ground tanks was also installed during this period . (85% complete)
- e. Received and placed in service two-way portable radios. (100% complete)
- f. Began surveying of the SVE trench locations in the north area as well as performing a test excavation of an SVE trench to confirm slope stability. (60% complete)

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- g. Versar implemented the Hot Spot Work Plan performing; five borings, two of which were completed as injection/extraction wells and a pilot study (on-going) on the concentrated organics removed from two hot spots. (50 % complete)
- h. Soil samples were taken from the Borrow Pit and are being analyzed for geotechnical characteristics. (50 % complete)
- i. Environ continued weekly conference calls with USEPA, IDEM, Trustees and Versar on March 6, 13, 20 and 27.

(2) Validated Results and Other Data

No validated data was generated during the month.

(3) Additional Work Performed

There was no "Additional Work" within the meaning of the Consent Decree. Work completed this month under Revised Exhibit A includes the steps identified in items (1) a through (1) i above. Photographic documentation can be found in attachment 1.

(4) Anticipated Activities for Next Month

- a. Versar will start-up, checkout and operate the water treatment system.
- b. Versar will process and store the accumulated water from the exclusion zone that may be contaminated. After laboratory analyses to assure that discharge criteria are met, the processed water will be discharged to Unnamed Creek.
- c. Versar will complete the SVE equipment installation in the Process Building.
- d. Versar will begin soil work in the exclusion zone, including; SVE trenches in the North Area, as well as Concrete Pad demolition in the North and South Areas. Excavation of the Southern Concrete Pad Area may commence during the last week of the month depending upon weather constraints and completion of the Hot Spot work.
- e. Versar will begin working on refurbishment of the drainage ditches.
- f. Versar will verify suitability of borrow pit materials.

- g. Versar will meet on April 23, 1993 with USEPA, IDEM & Trustees to review the Excavation Plan for the Southern Concrete Pad Area.
- h. Versar will start treatment of the Hot Spots at the southwest-end in the vicinity of the Southern Concrete Pad Area.
- i. Versar will submit the Baseline Air Monitoring Report, Geotechnical Survey of the Southern Concrete Pad Area, Hot Spot Report and Excavation Plan.

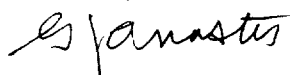
(5) Problems & Resolution

The construction schedule needs to be updated to reflect the impact of the detection and treatment of the concentrated organics in the vicinity of the Southern Concrete Pad Area.

Photographs of site activities taken during the month are included in Attachment 1.

If you have any questions, please feel free to call me at (215) 788-7844, Extension 222.

Sincerely,



G. J. Anastos, Ph.D., P.E.
Project Manager

attachment

cc:	D Basko (Versar)	J Freeman (DOJ)
	R Ball (ENVIRON)	C Gaffney (Versar)
	J Borucki (Versar)	R Hutchens (ENVIRON)
	N Bernstein (NEB & A)	J Kyle, III (B & T)
	M Dowiak (Radian)	G Scarpone (Handex)

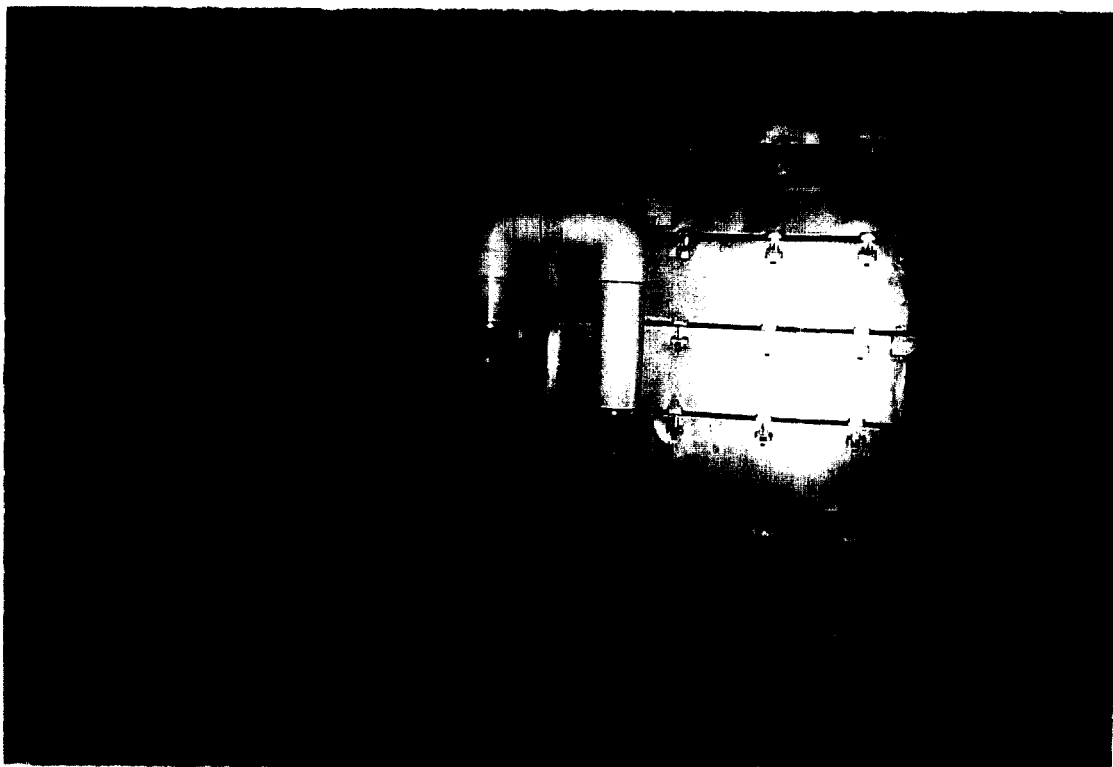
Attachment 1
Site Photographs



Photograph # 1 - View looking down into the 1-foot wide x 40-feet long x 8-feet deep test excavation SVE trench in the northern zone east of the Decon Pad. Photo shows the sidewall stability and minimal water encountered.



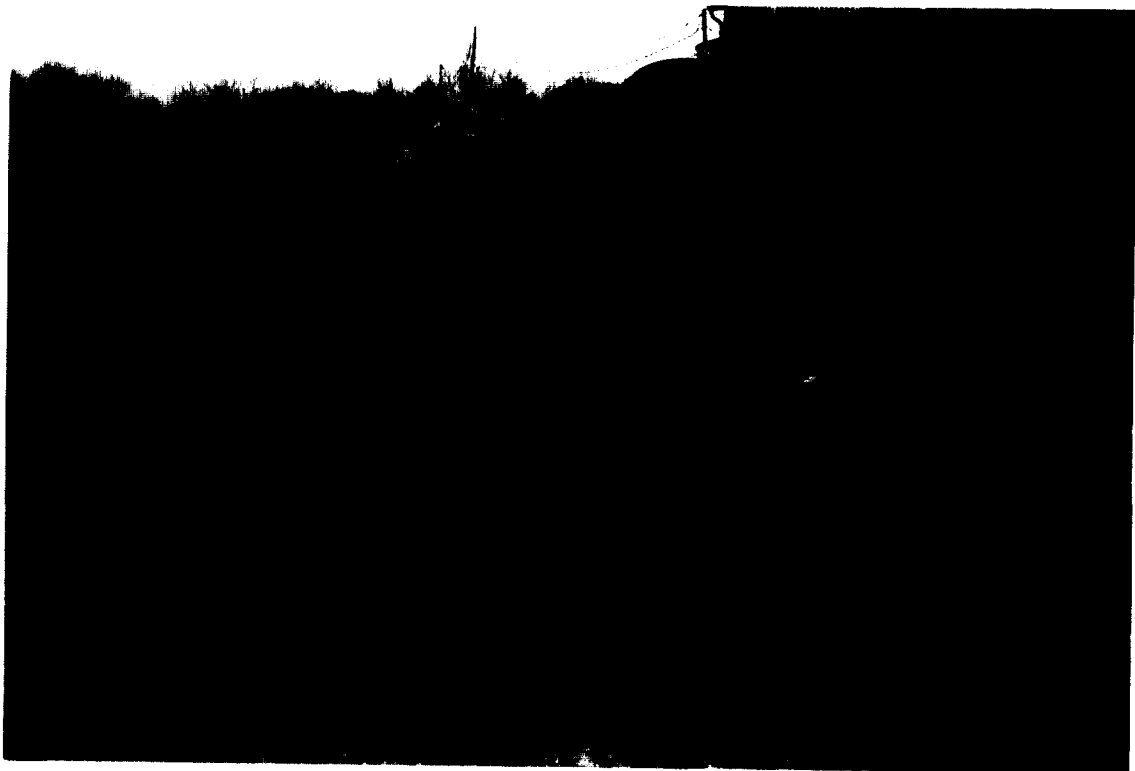
Photograph # 2 - View looking south showing excavation soil conditions and installation of PVC couplings to extend SVE lines.



Photograph # 3 - View looking west shows the low profile stripper inside the Process Building in its temporary location.



Photograph # 4 - View looking north shows the two 800 pound activated carbon canisters for the water treatment.



Photograph # 5 - View showing installation of water process piping and 18-inch reinforced concrete pipe on the east side of the Process Building.



Photograph # 6 - View showing the beginning stages of fabrication of the SVE piping manifold.



Photograph # 7 - View showing the placement of the two 13,000 pound activated carbon canisters.